Remedial Action Progress Report 5
November 1, 2009 through January 31, 2010
for
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

(USEPA No. NJD980529879)

February 26, 2010

Prepared for:

Morton International, Inc.

Prepared by:

PARSONS

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Section 1 – Introduction

This progress report for the Ventron/Velsicol Superfund Site Operable Unit One (OU-1), referred to as the Site, located in the Boroughs of Wood-Ridge and Carlstadt, New Jersey summarizes the status of remedial actions being performed as described in the Undeveloped Area Remedial Action Workplan (RAW), approved by the New Jersey Department of Environmental Protection (NJDEP) on July 3, 2008, and select remedial actions described in the Developed Area RAW, approved by the United States Environmental Protection Agency (USEPA) on October 6, 2009. The progress report covers the period from November 1, 2009 to January 31, 2010. The progress report is being submitted pursuant to the Administrative Consent Order (ACO) between Morton International, Inc. and the NJDEP as well as the quarterly progress reporting requirements of both RAW's. This report has been prepared in accordance with New Jersey Administrative Code (N.J.A.C.) Section 7:26E-6.6(b).

The components of the remedial action presented in the Undeveloped Area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site;
- Excavation of the former drain line;
- Excavation of Ventron/Velsicol site-related constituents from the Lin-Mor property;
- Excavation of the 55-foot buffer area;
- Wolf Warehouse air monitoring; and
- Deed notices for Custodial Trust, Prince Packing, and Blum properties.

The components of the remedial action presented in the Developed area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site;
- Improvements to the West Ditch;
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
- Installation of site caps on the developed and undeveloped areas;
- Installation of storm water controls in the developed and undeveloped areas;
- Monitoring of ground water at the Site;
- Contaminant flux monitoring between the Site and the adjoining water ways; and
- Deed notices for the Wolf Warehouse, U.S. Life Warehouse, Norfolk Southern property, Ethel Boulevard, and the EJB property.

The progress report is organized as follows:

- Section 1 – Introduction;
- Section 2 – Remedial Actions Summary;
- Section 3 – Permitting Application Status;
- Section 4 – Sampling Results and Waste Generated; and
- Section 5 – Cost Summary.

Section 2 – Remedial Actions Summary

2.1 Remedial Actions Status

This section summarizes the status of remedial actions at the Site for the reporting period. **Table 1**, attached, provides a summary of remedial actions and the status of each. Remedial actions performed during this period include:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg:
  - Excavation of Soil:
    - Excavation was performed in Area A from the Developed Area RAW.
  - Backfilling
    - Backfilling of Area I was completed excluding the portion where excavation has not been performed. The delay in excavating portions of Area I was addressed in Progress Report 4.
    - Backfilling of Area A was completed.
  - Perimeter Air Monitoring:
    - The air monitoring system was demobilized on December 19, 2009 upon completion of intrusive activities and load out of the undeveloped area soils. The system will be re-mobilized prior to intrusive activities in the spring of 2010.
  - Soil Disposal:
    - Load out of the excavated undeveloped area and Area A soils was completed this period. Soil disposal shipments are discussed below in Section 4.
  - CWTP:
    - The CWTP was operated as needed this period and was shut down and winterized after the end of contact water handling activities. The CWTP will remain shut down until the start of the developed area construction in the spring of 2010.

- Excavation of the former drain line;
  - Excavation of the former drain line was performed this period between Area E/F and Area I. Approximately twenty feet of the former drain line alignment, located beneath the access road to the construction water treatment plant, was not excavated. The remaining section of the former drain line alignment will be excavated as part of the upcoming developed area work.

- Excavation of the 55-foot buffer area:
  - Excavation and backfilling of the 55-foot buffer area was completed this period.

- Drum Removal Activities:
    - Analytical testing was performed on drums for disposal this period. This testing is described in Section 4.
    - A total of 91 drums were disposed of this period. A summary of drums disposed is included in **Table 4**. A single, overpacked drum was not disposed of this period, and remains on the OU-1 drum storage pad. This drum is discussed below in Section 2.2.

2.2 Deviations and Modifications

During drum disposal activities this period, it was determined that the proper analytical sampling had not been performed on one drum. The drum was left in an overpack on the drum storage pad and will be disposed of during Developed Area activities.

2.3 Remedial Actions to be Performed Next Period

During the next reporting period, activities associated with the Developed Area RAW will begin. It is anticipated that construction mobilization will occur in the beginning of March 2010. The following remedial actions are anticipated to be performed during the next reporting period (February 1, 2010 to April 30, 2010):

- **Remobilization Activities**
    - Perimeter Air Monitoring:
        - The perimeter air monitoring system will be re-mobilized prior to intrusive activities in the spring of 2010.
    - CWTP:
        - The CWTP will be restarted and operational.
- **Undeveloped Area Activities**
    - Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site:
        - Excavation of Soil:
            - Excavation will be performed in the remaining portions of Area I.
        - Backfilling
            - Backfilling of the remaining portions of Area I will be conducted after the completion of excavation.
- **Developed Area Activities**
- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site:
    - Utility relocation and other pre-excavation activities will be performed.
    - Sheet Piling:
        - Sheet Piling in Area D will begin.

2.4 Problems or Delays

There were no problems or delays during this reporting period.

2.5 Schedule of Remedial Activities

Site mobilization is currently scheduled to occur in the beginning of March 2010. Currently, the project team is working together with the remedial action contractor (Sevenson Environmental Services) to establish a schedule for the upcoming construction. The activities anticipated for next period (February 1, 2010 to April 30, 2010) are included in this report based on the information currently available. A schedule of construction activities will be provided in the next progress report.

Section 3 – Permit Application Status

The permit application status for the project is presented in **Table 2.** Permit applications for the developed area activities are currently being prepared. No permit applications were submitted in this progress report period.

Section 4 – Sampling Results and Waste Generated

4.1 Sampling Results

This section summarizes sampling results obtained during the reporting period. Sampling was performed as part of the following programs:

- Construction Water Treatment Plant (CWTP) compliance testing; and
- Characterization samples for drum removal.

Testing of treated water from the CWTP was performed in accordance with permit number SRP PI G000004547 dated February 9, 2009. This testing is required by the NJDEP on a weekly basis when the plant is discharging effluent. Additionally, testing is required before water can be discharged for the first time from a given excavation area. Testing results are included in **Attachment 1**.

Two additional waste streams (DC-9 and DC-10, described in **Table 4**) were developed for the disposal of drums collected at the Site. A sample was taken from each waste stream and sent to Test America in Pittsburgh, PA for analysis. The samples were analyzed for the following:

- Mercury;
- Metals;
- PCBs;
- Pesticides;
- Herbicides;
- VOCs;
- SVOCs; and
- Inorganics.

No compounds were detected above the Resource Conservation and Recovery Act (RCRA) limits for hazardous waste contained in 40 CFR 261, and subsequently both waste streams were determined to be non-hazardous. The results of this testing are included in **Attachment 2.**

4.2 Waste Generated

This section discusses impacted media removed as part of the Undeveloped Area RAW remedial actions at the Site. Waste was generated as part of the following programs:

- Disposal of mercury impacted soil; and
- Drum removal activities.

Mercury impacted soil was removed from the Site in intermodal containers that were sent to Stablex Canada, Inc. located in Blainville, Quebec. A total of 102 roll-off containers of mercury-impacted soil were sent to Stablex Canada this period, which were classified as non-hazardous

waste in the United States. The 102 containers were classified as hazardous waste in Canada. A table summarizing mercury impacted soil sent offsite this period is included as **Table 3**

Ninety-one drums were removed from the Site for disposal this period. Drum disposal was conducted by Veolia Environmental Services of Flanders, New Jersey. Drums removed from the Site this period were disposed of under new waste streams (DC-9 and DC-10) and previously established waste streams (DC-1 to DC-8 and TAR-1). Drums were taken to three separate facilities: Veolia Environmental Services in Flanders, New Jersey; Veolia Environmental Services in Port Arthur, Texas; and Vexor Technologies in Medina, Ohio. A summary of drums sent for disposal is included in **Table 4**.

Section 5 – Cost Summary

This section presents a cost summary of the remedial action to date and provides a cost estimate of remaining work. To date approximately $21,778,832 has been spent performing remedial action activities related to the Undeveloped Area RAW at the Site. It was estimated that approximately $14,904,700 would be required to complete this phase of the work as described in the ACO. Further work will be performed at the Site as presented in the Developed Area RAW. The Developed Area RAW was approved on October 6, 2009 and the Developed Area construction documents are currently being produced. Updated costs for the Developed Area remedial actions presently under development and will be reported in the next progress report.

Tables

Table 1 - Remedial Actions between November 1, 2009 and January 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Remedial Action	Description	Scheduled this Reporting Period?	Status	Comments
Removal of Soil with Mercury Concentration Greater than 620 mg/kg	Construction water treatment plant	Construction of the CWTP was completed in a prior period. Operation of the CWTP is ongoing.		The CWTP was operational as needed this period and was shut down and winterized after the end of contact water handling activities. The CWTP will be re-started in the Spring of 2010.
	Installation of perimeter air monitoring equipment	Task completed in a prior period. Air monitoring ongoing.		The perimeter air monitoring system was demobilized from the Site on December 19, 2009 upon the completion of intrusive activities and the load out of undeveloped area soils. The system will be re-mobilized prior to intrusive activities in the spring of 2010.
	Excavation in Area E/F	Task completed in a prior period.		Excavation has been completed in Area E/F.
	Excavation in Area G	Task completed in a prior period.		Excavation has been completed in Area G.
	Excavation in Area H	Task completed in a prior period.		Excavation has been completed in Area H. Sheet pile removal was completed in Area H.
	Excavation in Area I	No	Ongoing	Excavation was completed in Area I with the exception of the following cells: I-1A, I-1B, I-2B, I-3A, I-3B, I-8A, I-8B, I-13A, I-13B, and 1-23B as well as portions of I-2A, I-9 and I-23A. Approximately 72% of the sheetpiling in Area I has been removed with the sheets seperating the completed portions of Area I from the uncompleted portions remaining in place. Portions of Area I which remain to be excavated will be completed in conjuction with the Developed Area work.
	Excavation of Area DL	Task completed in a prior period.		Excavation has been compeleted in Areas DL-1 and DL-2
	Excavation of Area A	Yes	Completed	Excavation of Area A was completed.
	Backfilling in Area E/F	Task completed in a prior period.		Backfilling of Area E/F has been completed.
	Backfilling in Area G	Task completed in a prior period.		Backfilling of Area G has been completed.
	Backfilling in Area H	Task completed in a prior period.		Backfilling of Area H has been completed.
	Backfilling in Area I	Yes	Completed	Backfilling of Area I was completed in areas that have been excavated.
	Backfilling in Area DL	Task completed in a prior period.		Backfilling of Areas DL-1 and DL-2 has been completed
	Backfilling in Area A	Yes	Completed	Backfilling of Area A was completed.
	Soil Load-out	Yes	Completed	A total of 102 intermodal containers were loaded with soil and sent for disposal this period. This brings the total number of intermodal containers sent for disposal at Stablex Canada to 2010.
	XRF field investigation program	Task completed in a prior period.		The XRF program results were submitted in Progress Report 2.
Excavation of Former Drain Line	Excavation of the former drainline area	Yes	Ongoing	Excavation was performed to remove sections of the former drain line between Area E/F and Area I. Approximately twenty feet of the former drain line remains in place below the access road to the construction water treatment plant and will be excavated as part of the Developed Area work.
Lin-Mor Excavation	Excavation of soil in the Lin-Mor area	Task completed in a prior period		Excavation of approximately 20 cubic yards of soil on the Lin-Mor property, in areas LM-1 and LM-2, occurred between December 1 and December 4, 2008 and again on December 18, 2008. Excavation of these areas is complete.
55-foot Buffer Excavation	Excavation of the 55-foot buffer adjacent to Berry's Creek, Diamond Shamrock/ Henkel Ditch North, and West Ditch	Yes	Completed	Excavation and backfilling of the 55-foot buffer was completed this period.
Indoor Air Monitoring	Indoor air monitoring at the Wolf Warehouse	No	-	No indoor air monitoring was scheduled for this period.
Drum Removal	Removal of drums and drum carcasses	Yes	Ongoing	A total of 91 drums were sent off-site for disposal this period. One drum remains on the drum storage pad and will be disposed of during the upcoming Developed Area work.

Table 2 - Permit Applications Status as of January 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Permit	Issuing Authority	Holder	Date Submitted	Status
Land Use Regulation Program (LURP) Coastal General Permit 15 Equivalency	NJDEP	Morton International	19-Dec-08	Comments were issued by the NJDEP and addressed by Parsons. Application was resubmitted on January 29, 2009 and is currently being reviewed by NJDEP. Permit equivalency was issued with conditions by the NJDEP on May 13, 2009.
Land Use Regulation Program (LURP) Coastal General Permit 15 Equivalency	NJDEP	Morton International	-	An updated LURP submission is being prepared to include the developed area work.
Zoning Certificate Equivalency	NJMC	Morton International	19-Dec-08	Comments were issued by NJ Meadowlands Commission on March 11, 2009 and addressed by Parsons. Permit was approved by the NJMC on July 31, 2009.
Zoning Certificate Equivalency	NJMC	Morton International	-	An updated NJMC zoning certificate is being prepared.
Discharge to Groundwater Equivalency Permit	NJDEP	Morton International	19-Dec-08	Permit was granted by NJDEP on February 9, 2009.
Construction Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Building Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Stormwater Pollution Prevention Plan	Bergen County	Parsons	6-Feb-09	Originally approved November 30, 2007. Revised permit submitted in January 2009 and approval received on February 26, 2009. Revisions to the 55-foot buffer decreasing the ammount of rip-rap were approved by Bergen County on October 5, 2009.
Stormwater Pollution Prevention Plan (SWPPP)	Bergen County	Parsons	-	An updated SWPPP is being prepared.
Temporary Trailer Permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 11, 2007 and trailers are on site.
Electrical permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 13, 2007.
Notice of Proposed Construction of Alteration Form 7460-1	Federal Aviation Administration	Morton International	13-Jan-09	Determination permitting activity was issued by FAA on April 23, 2009.

Table 3 - Mercury-Impacted Soils Disposed of between November 1, 2009 and January 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Waste Stream	Identification/ Container Number	Quantity (tons)	Disposal Facility[1]	Date Shipped from United States	Documentation[2]		
					U.S. Bill of Lading	U.S. Manifest	Canada
Mercury Impacted Soil	EPIU222526	23.67	Stablex Canada	2009-11-02	006223	-	9383413-3
Mercury Impacted Soil	EPIU223208	25.73	Stablex Canada	2009-11-02	006224	-	9383414-1
Mercury Impacted Soil	EPIU222517	23.38	Stablex Canada	2009-11-02	006225	-	9383415-8
Mercury Impacted Soil	EPIU222487	25.04	Stablex Canada	2009-11-02	006226	-	9383416-6
Mercury Impacted Soil	EPIU222207	25.59	Stablex Canada	2009-11-02	006227	-	9383417-4
Mercury Impacted Soil	EPIU222597	24.44	Stablex Canada	2009-11-02	006228	-	9383418-2
Mercury Impacted Soil	EPIU222406	23.04	Stablex Canada	2009-11-02	006229	-	9383419-0
Mercury Impacted Soil	EPIU223110	25.42	Stablex Canada	2009-11-02	006230	-	9383420-8
Mercury Impacted Soil	EPIU222320	20.03	Stablex Canada	2009-11-02	006231	-	9383421-6
Mercury Impacted Soil	EPIU222056	22.62	Stablex Canada	2009-11-02	006232	-	9383422-4
Mercury Impacted Soil	EPIU222484	24.60	Stablex Canada	2009-11-02	006233	-	9383423-2
Mercury Impacted Soil	EPIU222366	23.81	Stablex Canada	2009-11-02	006234	-	9383424-0
Mercury Impacted Soil	EPIU222169	23.60	Stablex Canada	2009-11-02	006235	-	9383425-7
Mercury Impacted Soil	EPIU222098	23.45	Stablex Canada	2009-11-02	006236	-	9383426-5
Mercury Impacted Soil	EPIU222084	24.11	Stablex Canada	2009-11-02	006237	-	9383427-3
Mercury Impacted Soil	EPIU223341	22.97	Stablex Canada	2009-11-02	006238	-	9383428-1
Mercury Impacted Soil	EPIU223109	21.31	Stablex Canada	2009-11-02	006239	-	9383429-9
Mercury Impacted Soil	EPIU222413	22.35	Stablex Canada	2009-11-02	006240	-	9383430-7
Mercury Impacted Soil	EPIU222023	22.40	Stablex Canada	2009-11-02	006241	-	9383431-5
Mercury Impacted Soil	EPIU222151	25.78	Stablex Canada	2009-11-02	006242	-	9383432-3
Mercury Impacted Soil	EPIU223085	26.10	Stablex Canada	2009-11-03	006243	-	9383433-1
Mercury Impacted Soil	EPIU222150	23.61	Stablex Canada	2009-11-03	006244	-	9383434-9
Mercury Impacted Soil	EPIU222132	26.00	Stablex Canada	2009-11-03	006245	-	9383435-6
Mercury Impacted Soil	EPIU223247	24.83	Stablex Canada	2009-11-03	006246	-	9383436-4
Mercury Impacted Soil	EPIU222353	23.45	Stablex Canada	2009-11-03	006247	-	9383437-2
Mercury Impacted Soil	EPIU222524	24.87	Stablex Canada	2009-11-03	006248	-	9383438-0
Mercury Impacted Soil	EPIU222107	21.66	Stablex Canada	2009-11-03	006249	-	9383439-8
Mercury Impacted Soil	EPIU222574	23.88	Stablex Canada	2009-11-03	006250	-	9383440-6
Mercury Impacted Soil	EPIU222453	26.33	Stablex Canada	2009-11-03	006251	-	9383441-4
Mercury Impacted Soil	EPIU222405	25.37	Stablex Canada	2009-11-03	006252	-	9383442-2
Mercury Impacted Soil	EPIU223347	27.30	Stablex Canada	2009-11-03	006253	-	9383443-0
Mercury Impacted Soil	EPIU223039	23.43	Stablex Canada	2009-11-03	006254	-	9383444-8
Mercury Impacted Soil	EPIU222567	24.74	Stablex Canada	2009-11-04	006255	-	9383445-5
Mercury Impacted Soil	EPIU223145	26.18	Stablex Canada	2009-11-04	006256	-	9383446-3
Mercury Impacted Soil	EPIU222531	23.28	Stablex Canada	2009-11-04	006257	-	9383447-1
Mercury Impacted Soil	EPIU222564	20.55	Stablex Canada	2009-11-04	006258	-	9383448-9
Mercury Impacted Soil	EPIU222268	20.78	Stablex Canada	2009-11-04	006259	-	9383449-7
Mercury Impacted Soil	EPIU222019	22.09	Stablex Canada	2009-11-04	006260	-	9383450-5
Mercury Impacted Soil	EPIU222160	21.35	Stablex Canada	2009-11-04	006261	-	9383451-3
Mercury Impacted Soil	EPIU223299	19.63	Stablex Canada	2009-11-04	006262	-	9383452-1
Mercury Impacted Soil	EPIU222369	19.27	Stablex Canada	2009-11-04	006263	-	9383453-9
Mercury Impacted Soil	EPIU222337	19.04	Stablex Canada	2009-11-04	006264	-	9383454-7
Mercury Impacted Soil	EPIU222152	18.96	Stablex Canada	2009-11-04	006265	-	9383455-4
Mercury Impacted Soil	EPIU223498	23.03	Stablex Canada	2009-11-04	006266	-	9383456-2
Mercury Impacted Soil	EPIU222460	23.52	Stablex Canada	2009-11-04	006267	-	9383457-0
Mercury Impacted Soil	EPIU223005	21.48	Stablex Canada	2009-11-04	006268	-	9383458-8
Mercury Impacted Soil	EPIU223307	21.41	Stablex Canada	2009-11-04	006269	-	9383459-6
Mercury Impacted Soil	EPIU223313	23.67	Stablex Canada	2009-11-04	006270	-	9383460-4
Mercury Impacted Soil	EPIU223022	23.96	Stablex Canada	2009-11-04	006271	-	9383461-2
Mercury Impacted Soil	EPIU222595	28.16	Stablex Canada	2009-11-04	006272	-	9383462-0
Mercury Impacted Soil	EPIU223379	24.36	Stablex Canada	2009-11-04	006273	-	9383463-8
Mercury Impacted Soil	EPIU222463	27.09	Stablex Canada	2009-11-04	006274	-	9383464-6
Mercury Impacted Soil	EPIU223121	26.82	Stablex Canada	2009-11-04	006275	-	9383465-3
Mercury Impacted Soil	EPIU222208	24.60	Stablex Canada	2009-11-04	006276	-	9383466-1
Mercury Impacted Soil	EPIU223069	22.04	Stablex Canada	2009-11-04	006277	-	9383467-9
Mercury Impacted Soil	EPIU222248	22.76	Stablex Canada	2009-11-04	006278	-	9383468-7
Mercury Impacted Soil	EPIU223408	24.90	Stablex Canada	2009-11-04	006279	-	9383469-5
Mercury Impacted Soil	EPIU222280	22.69	Stablex Canada	2009-11-05	006280	-	9383470-3
Mercury Impacted Soil	EPIU222515	26.34	Stablex Canada	2009-11-05	006281	-	9383471-1
Mercury Impacted Soil	EPIU222349	23.50	Stablex Canada	2009-11-05	006282	-	9383472-9
Mercury Impacted Soil	EPIU223029	25.47	Stablex Canada	2009-11-05	006283	-	9383473-7
Mercury Impacted Soil	EPIU222147	20.30	Stablex Canada	2009-11-05	006284	-	9383474-5
Mercury Impacted Soil	EPIU222145	23.95	Stablex Canada	2009-11-05	006285	-	9383475-2
Mercury Impacted Soil	EPIU222328	22.31	Stablex Canada	2009-11-05	006286	-	9383476-0
Mercury Impacted Soil	EPIU222059	19.18	Stablex Canada	2009-11-05	006287	-	9383477-8
Mercury Impacted Soil	EPIU223429	23.86	Stablex Canada	2009-11-05	006288	-	9383478-6
Mercury Impacted Soil	EPIU223333	24.67	Stablex Canada	2009-11-05	006289	-	9383479-4
Mercury Impacted Soil	EPIU223239	21.64	Stablex Canada	2009-11-05	006290	-	9383480-2

Table 3 - Mercury-Impacted Soils Disposed of between November 1, 2009 and January 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Waste Stream	Identification/ Container Number	Quantity (tons)	Disposal Facility[1]	Date Shipped from United States	Documentation[2]		
					U.S. Bill of Lading	U.S. Manifest	Canada
Mercury Impacted Soil	EPIU223256	25.94	Stablex Canada	2009-11-05	006291	-	9383481-0
Mercury Impacted Soil	EPIU222241	22.55	Stablex Canada	2009-11-05	006292	-	9383482-8
Mercury Impacted Soil	EPIU223319	23.63	Stablex Canada	2009-11-05	006293	-	9383483-6
Mercury Impacted Soil	EPIU223409	23.23	Stablex Canada	2009-11-05	006294	-	9383484-4
Mercury Impacted Soil	EPIU222008	25.95	Stablex Canada	2009-11-05	006295	-	9383485-1
Mercury Impacted Soil	EPIU223023	22.75	Stablex Canada	2009-11-05	006296	-	9383486-9
Mercury Impacted Soil	EPIU222007	22.24	Stablex Canada	2009-11-05	006297	-	9383487-7
Mercury Impacted Soil	EPIU222230	22.79	Stablex Canada	2009-11-05	006298	-	9383488-5
Mercury Impacted Soil	EPIU222291	27.46	Stablex Canada	2009-11-05	006299	-	9383489-3
Mercury Impacted Soil	EPIU222533	17.45	Stablex Canada	2009-11-06	006300	-	9383490-1
Mercury Impacted Soil	EPIU222041	19.71	Stablex Canada	2009-11-13	006301	-	9383491-9
Mercury Impacted Soil	EPIU222587	20.67	Stablex Canada	2009-11-13	006302	-	9383492-7
Mercury Impacted Soil	EPIU222356	20.44	Stablex Canada	2009-11-13	006303	-	9383493-5
Mercury Impacted Soil	EPIU222412	22.54	Stablex Canada	2009-11-13	006304	-	9383494-3
Mercury Impacted Soil	EPIU222205	29.92	Stablex Canada	2009-11-13	006305	-	9383495-0
Mercury Impacted Soil	EPIU222424	27.22	Stablex Canada	2009-11-13	006306	-	9383496-8
Mercury Impacted Soil	EPIU223215	29.43	Stablex Canada	2009-11-13	006307	-	9383497-6
Mercury Impacted Soil	EPIU222179	30.10	Stablex Canada	2009-11-13	006308	-	9383498-4
Mercury Impacted Soil	EPIU222319	32.12	Stablex Canada	2009-11-13	006309	-	9383499-2
Mercury Impacted Soil	EPIU222331	24.95	Stablex Canada	2009-11-13	006310	-	9385910-6
Mercury Impacted Soil	EPIU223396	25.25	Stablex Canada	2009-11-13	006311	-	9385911-4
Mercury Impacted Soil	EPIU222270	25.06	Stablex Canada	2009-11-13	006312	-	9385912-2
Mercury Impacted Soil	EPIU223232	20.71	Stablex Canada	2009-11-19	006313	-	9385913-0
Mercury Impacted Soil	EPIU222097	21.40	Stablex Canada	2009-11-19	006314	-	9385914-8
Mercury Impacted Soil	EPIU222265	23.53	Stablex Canada	2009-11-19	006315	-	9385915-5
Mercury Impacted Soil	EPIU223225	25.61	Stablex Canada	2009-11-19	006316	-	9385916-3
Mercury Impacted Soil	EPIU222240	22.04	Stablex Canada	2009-11-19	006317	-	9385917-1
Mercury Impacted Soil	EPIU223086	20.50	Stablex Canada	2009-11-19	006318	-	9385918-9
Mercury Impacted Soil	EPIU222032	22.62	Stablex Canada	2009-11-19	006319	-	9385919-7
Mercury Impacted Soil	EPIU222231	24.51	Stablex Canada	2009-11-19	006320	-	9385920-5
Mercury Impacted Soil	EPIU223265	27.30	Stablex Canada	2009-11-19	006321	-	9385921-3
Mercury Impacted Soil	EPIU222575	28.36	Stablex Canada	2009-11-19	006322	-	9385922-1
Mercury Impacted Soil	EPIU223339	23.91	Stablex Canada	2009-11-19	006323	-	9385923-9
Mercury Impacted Soil	EPIU222580	16.45	Stablex Canada	2009-11-19	006324	-	9385924-7

Notes:
[1]Stablex Canada, Inc. of Blainville, Quebec
[2]Bills of Lading are being used for non-hazardous shipments in the United States (U.S.). Manifests are being used for hazardous shipments in the U.S. and al shipments in Canada.

Table 4 - Drums Disposed of between November 1, 2009 and January 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum ID	Waste Stream Code[1]	Date Overpacked	Date Sent for Disposal	Destination Facility
P-042	DC-5	08/13/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-043	DC-5	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-044	DC-5	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-053A	DC-5	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-054	DC-5	08/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-055	DC-5	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-079	DC-5	11/11/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-080	DC-5	11/11/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-103	TAR	11/12/09	1/12/2010	Vexor Tech., Medina, Ohio
P-104	TAR	11/12/09	1/12/2010	Vexor Tech., Medina, Ohio
P-121	DC-5	05/28/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-126	DC-10	05/28/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-127	DC-9	05/28/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-128/P-129	DC-9	05/28/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-132	DC-10	05/29/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-133	DC-10	05/30/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-134	DC-1	05/28/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-137	DC-9	05/27/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-138	DC-9	05/27/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-147	TAR	04/02/09	1/12/2010	Vexor Tech., Medina, Ohio
P-163	DC-9	06/25/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-190	DC-5	07/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-191	DC-5	07/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-205	DC-9	7/23/2009	1/12/2010	Veolia ES, Port Arthur, Texas
P-206/P-210/P-212	DC-9	7/23/2009	1/12/2010	Veolia ES, Port Arthur, Texas
P-209	DC-9	7/23/2009	1/12/2010	Veolia ES, Port Arthur, Texas
P-211	DC-9	7/23/2009	1/12/2010	Veolia ES, Port Arthur, Texas
P-217	DC-1	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-226	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-227	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-228	DC-1	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-235	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-236	DC-9	07/25/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-237	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-240	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-241	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-242	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-243	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-244	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-245	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-246	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-247	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-248	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-249	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-250	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-251	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-253	DC-9	07/24/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-254	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-255	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-256	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-257	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-260	DC-9	07/23/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-284	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-285	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-286	DC-1	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-287	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-288	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-289	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas

Table 4 - Drums Disposed of between November 1, 2009 and January 31, 2010
Ventron/Velsicol Superfund Site Operable Unit 1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum ID	Waste Stream Code[1]	Date Overpacked	Date Sent for Disposal	Destination Facility
P-290	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-291	DC-9	08/05/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-293	DC-5	08/12/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-295	DC-7	08/12/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-299	DC-1	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-301	DC-9	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-304	DC-1	08/20/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-309	TAR	08/20/09	1/12/2010	Vexor Tech., Medina, Ohio
P-312	DC-9	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-313	DC-9	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-314	DC-9	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-315	DC-9	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-316	DC-9	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-317	DC-1	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-318	DC-1	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-319	DC-1	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-320	DC-3	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-321	DC-9	08/21/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-326	TAR	08/21/09	1/12/2010	Vexor Tech., Medina, Ohio
P-344	TAR	10/16/09	1/12/2010	Vexor Tech., Medina, Ohio
P-354	DC-6	10/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-357	DC-4	10/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-358	DC-6	10/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-360	DC-1	10/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-361	TAR	10/16/09	1/12/2010	Vexor Tech., Medina, Ohio
P-362	DC-4	10/16/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-365	TAR	10/16/09	1/12/2010	Vexor Tech., Medina, Ohio
P-367	DC-6	11/11/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-368	DC-6	11/11/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-369	DC-6	11/11/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-370	DC-5	11/12/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-371	DC-5	11/12/09	1/12/2010	Veolia ES, Port Arthur, Texas
P-372	DC-5	11/12/09	1/12/2010	Veolia ES, Port Arthur, Texas

Notes:

1) Description of Waste Streams (Analytical Sample ID representative of Waste Stream)

DC-1 Epoxy, lighter brown, soft putty material w/ hard brown material. (20081229VVDC-1)
DC-2 Phenolic, brownish purple, sweet smell (20081229VVDC-2)
DC-3 Paint; looks like dried drywall compound (20081229VVDC-3)
DC-4 Contains dirt & trash (20081229VVDC-4)
DC-5 White crystals (20081229VVDC-5)
DC-6 Epoxy; white, waxy looking, very hard. (20081229VVDC-6)
DC-7 Resin; Brownish, solid resin (20081229VVDC-7)
DC-8 white/gray, grainy material (20081229VVDC-8)
DC-9 deteriorated drum carcasses containing gray ash and residual soil (20091116DC-9C)
DC-10 deteriorated drum carcasses containing grease/lard like material (20091116DC-10C)
TAR Drums containing tar-like contents (TAR-1)

Attachment 1 – Construction Water Treatment Plant Sampling Results

Bigler Associates, Inc.

October 19, 2009

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street
4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant CWTP Effluent Test Results from Testing of Water From Area I and WRTG Work Effluent Sample Collected on October 12, 2009

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on October 12, 2009. The CWTP was operated treating approximately 64,421 gallons of water from Area I, WRTG work and stockpile runoff during the week ending October 17th.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits for all days of operation.

Summary of CWTP Effluent Data
Excavation Area I and WRTG Effluent

Parameter	10/12/09 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	2.5	<2.5	3
Mercury	<0.20	0.20	<0.20	2
Thallium	<1.0	1.0	<1.0	2
Iron	<150	150	<150	1,000
Manganese	18.5	10.0	18.5	1,000
TSS	<5,000	5,000	<5,000	5,000
Benzene	<1.0	0.2	<1.0	1

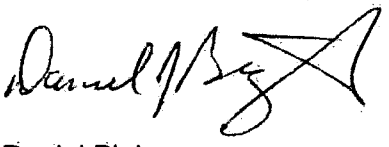
Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value.
NS = not sampled.
All Testing performed by Test America, Edison, NJ.

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.



Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-6672-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFF	
Lab Sample No.	PQLs and	PQLs and	460-6672-1	
Sampling Date	GW Quality	GW Quality	10/12/2009 10:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

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TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-6672-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFF	
Lab Sample No.	PQLs and	PQLs and	460-6672-1	
Sampling Date	GW Quality	GW Quality	10/12/2009 10:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	18.5	
Mercury	2	2	0.20	U
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

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TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-6672-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFF	
Lab Sample No.	PQLs and	PQLs and	460-6672-1	
Sampling Date	GW Quality	GW Quality	10/12/2009 10:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

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777 New Dur[illegible]
Edison, New [illegible]
Phone: (732) [illegible]

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): DAN ALESANDRO	Samplers Name (Printed): DAN ALESANDRO	Site/Project Identification: DENTRON
Company: BIGLER ASSOC. INC.	P.O. #	State (Location of site): NJ X NY; Regulatory Program:
Address: 2 MAIN ST.	Analysis Turnaround Time: Standard ☐; Rush Charges Authorized For: 2 Week ☐, 1 Week ☐, Other ☒ 24 HR	Analysis Requested (enter 'X' below to indicate request): METALS*, BENZENE, TSS*
City: RIDGEFIELD PK State: NJ		
Phone: 2012960712 Fax:		

Sample Identification	Date	Time	Matrix	No. of Cont.	METALS*	BENZENE	TSS*
PLANT EFF	10/12/05	10:00	AQ	5	X	X	X

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other ______, 7 = Other ______ Soil: Water: 1,4 | 1,2 | 1

Special Instructions: *METALS = Hg, Tl, As, Pb, Mn TSS MDL = <5 mg/L Water Metals [illegible]

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	BAI	10/10/05 14:18	1) [signature]	TAI
2)			2)	
3)			3)	
4)			4)	

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island [illegible]
Massachusetts (M-NJ312), North Carolina (No. 578)

Bigler Associates, Inc.

October 26, 2009

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street
4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant CWTP Effluent Test Results from Testing of Water From Area I and WRTG Work Effluent Sample Collected on October 19, 2009

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on October 19, 2009. The CWTP was operated treating approximately 103,535 gallons of water from WRTG work and soil stockpile runoff during the week ending October 26th.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits for all days of operation.

Summary of CWTP Effluent Data
Excavation Area I and WRTG Effluent

Parameter	10/19/09 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	2.5	<2.5	3
Mercury	<0.20	0.20	<0.20	2
Thallium	<1.0	1.0	<1.0	2
Iron	<150	150	<150	1,000
Manganese	102	10.0	102	1,000
TSS	<5,000	5,000	<5,000	5,000
Benzene	<1.0	0.2	<1.0	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value.
NS = not sampled.
All Testing performed by Test America, Edison, NJ.

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-6926-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFF	
Lab Sample No.	PQLs and	PQLs and	460-6926-1	
Sampling Date	GW Quality	GW Quality	10/19/2009 10:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	102	
Mercury	2	2	0.20	U
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

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TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-6926-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFF	
Lab Sample No.	PQLs and	PQLs and	460-6926-1	
Sampling Date	GW Quality	GW Quality	10/19/2009 10:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 10/21/2009 7:31:26 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-6926-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFF	
Lab Sample No:	PQLs and	PQLs and	460-6926-1	
Sampling Date	GW Quality	GW Quality	10/19/2009 10:00:00 AM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 10/21/2009 7:31:24 AM

777 New Durl
Edison, New .
Phone: (732)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) DAN ALESANDRO	Samplers Name (Printed) DAN ALESANDRO	Site/Project Identification VENTRON
Company BIBER ASSOC. INC	P. O. #	State (Location of site): NJ: ☒ NY:
Address 2 MAIN ST	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City RIDGEFIELD PK State NJ	Rush Charges Authorized For: 2 Week ☐	
Phone 201 296 0712 Fax	1 Week ☐ Other ☒ 24 HR	

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	BENZENE	* METALS	* TSS							
PLANT EFF	10/19/09	1010		5	X	X	X							
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH — Soil:														
6 = Other _____, 7 = Other _____ — Water:					1, 2	1, 4	1							

Special Instructions * METALS = Hg, As, Tl, Fe, Mn. TSS MDL = <5 mg/L — Water Metals

Relinquished by	Company	Date / Time	Received by	Company
1)	BAI	10/19/09 2:30	1)	
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island Massachusetts (M-NJ312), North Carolina (No. 578)

Bigler Associates, Inc.

November 12, 2009

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street
4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Test Results from Testing of Water From Area I and WRTG Work
Effluent Sample Collected on November 3, 2009

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on November 3, 2009. The CWTP was operated treating approximately 79,200 gallons of water from WRTG work and soil stockpile runoff during the week ending November 3rd.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits for all days of operation.

Summary of CWTP Effluent Data
Excavation Area I and WRTG Effluent

Parameter	11/3/09 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	2.5	<2.5	3
Mercury	<0.20	0.20	<0.20	2
Thallium	<1.0	1.0	<1.0	2
Iron	<150	150	621	1,000
Manganese	52.6	10.0	417	1,000
TSS	<5,000	5,000	<5,000	5,000
Benzene	<1.0	0.2	<1.0	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value.
NS = not sampled.
All Testing performed by Test America, Edison, NJ.

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-7536-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Effluent	
Lab Sample No.	PQLs and	PQLs and	460-7536-1	
Sampling Date	GW Quality	GW Quality	11/3/2009 3:45:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	52.6	
Mercury	2	2	0.20	U
Thallium	10	2	1.0	U

NR: Not analyzed.
U: Indicates the analyte was analyzed for but not detected.

Generated on 11/5/2009 5:20:09 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-7536-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Effluent	
Lab Sample No.	PQLs and	PQLs and	460-7536-1	
Sampling Date	GW Quality	GW Quality	11/3/2009 3:45:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 11/5/2009 5:20:08 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-7536-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	Plant Effluent	
Lab Sample No.	PQLs and	PQLs and	460-7536-1	
Sampling Date	GW Quality	GW Quality	11/3/2009 3:45:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	10.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 11/5/2009 5:20:09 PM

777 New Du
Edison, New
Phone: (732

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice): DAN ALESSANDRO	Samplers Name (Printed): E. LaRose	Site/Project Identification: VENTRON
Company: BIGLOW ASSOCIATES	P.O. #	State (Location of site): NJ: X NY:
Address: 2 MAIN STREET	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City: RIDGEFIELD PARK State: NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 24 HR.	
Phone: 201-296-0712 Fax: 201-296-0729		

Sample Identification	Date	Time	Matrix	No. of Cont.	BENZENE	METALS *	TSS *							
PLANT EFFLUENT	11/3/09	3:45	WATER	5	X	X	X						✓	

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____ Soil: Water:

Special Instructions: * METALS - Fe, Mn, Tl, Hg, As TSS MDL = <5 MG/L Water Metal

Relinquished by	Company	Date / Time	Received by	Company
1) E. LaRose	BAI	11/3/09	1)	
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Islan
Massachusetts (M-NJ312), North Carolina (No. 578)

Bigler Associates, Inc.

November 24, 2009

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street
4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Test Results from Testing of Water From Area I and WRTG Work
Effluent Sample Collected on November 19, 2009

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on November 19, 2009. The CWTP was operated treating approximately 44,033 gallons of water from WRTG work and soil stockpile runoff during the week ending November 21st.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data

Parameter	11/19/09 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	0.5	<2.5	3
Mercury	0.21	0.20	0.21	2
Thallium	<1.0	0.20	<1.0	2
Iron	300	0.10	300	1,000
Manganese	50	5.0	50	1,000
TSS	<5,000	5,000	<5,000	5,000
Benzene	<1.0	0.2	<1.0	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value.
NS = not sampled.
All Testing performed by Test America

Please contact me with any questions.

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-8123-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFFLUENT	
Lab Sample No.	PQLs and	PQLs and	460-8123-1	
Sampling Date	GW Quality	GW Quality	11/19/2009 2:10:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 11/24/2009 11:42:15 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-8123-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFFLUENT	
Lab Sample No.	PQLs and	PQLs and	460-8123-1	
Sampling Date	GW Quality	GW Quality	11/19/2009 2:10:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	42.3	
Mercury	2	2	0.21	
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 11/24/2009 11:42:15 AM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-8123-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFFLUENT	
Lab Sample No.	PQLs and	PQLs and	460-8123-1	
Sampling Date	GW Quality	GW Quality	11/19/2009 2:10:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 11/24/2009 11:42:13 AM

777 New Du
Edison, Nev
Phone: (732

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) DAN ALESANDRO	Samplers Name (Printed) DAN ALESANDRO	Site/Project Identification VENTRON
Company BISHER ASSOCIATES	P. O. #	State (Location of site): NJ: X N
		Regulatory Program:
Address 2 MAIN ST	Analysis Turnaround Time: Standard ☐	ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)
City ROCKAWAY State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 24HR	
Phone 201 298 0114 Fax 0122		

Sample Identification	Date	Time	Matrix	No. of Cont.	BENZENE	METALS*	TSS*							
PLANT EFFLUENT	11/9/09	2:10		5	X	X	X							
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH 6 = Other _____, 7 = Other _____				Soil:										
				Water:	1,2	1,4	1							

Special Instructions * METALS = Hg, As, Tl, Fe, MA ISSMR = 45 Water Metal

Relinquished by	Company	Date / Time	Received by	Company
D Alesandro		11/9/09 1550	Alesha Smith	TPS
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Islan

Massachusetts (M-NJ312), North Carolina (No. 578)

Bigler Associates, Inc.

December 10, 2009

Chris Greene, P.E., Project Manager
PARSONS
150 Federal Street
4th Floor
Boston, MA 02110

Re: Ventron Velsicol Superfund Site – Construction Water Treatment Plant
CWTP Effluent Test Results from Testing of Water OU1 and WRTG Soil Stockpile and Decontamination Area
Effluent Sample Collected on November 30, 2009

Dear Chris:

Attached please find the laboratory data from Test America for the Construction Water Treatment Plant (CWTP) effluent sample collected on November 30, 2009. The CWTP was operated treating approximately 22,600 gallons of water from WRTG work and soil stockpile runoff during the week ending December 5, 2009.

Sample Collection and Data Summary

Effluent results are presented below and copies of the data sheets and chain of custody forms are attached. Test results confirm compliance with the discharge permit-by-rule effluent limits.

Summary of CWTP Effluent Data

Parameter	11/30/09 Result, ug/l	Test America RL – ug/L	Weekly Average ug/l	NJDEP Permit Limit ug/l
Arsenic	<2.5	0.5	<2.5	3
Mercury	<0.20	0.20	<0.20	2
Thallium	<1.0	0.20	<1.0	2
Iron	<150	0.10	<150	1,000
Manganese	279	5.0	279	1,000
TSS	<5,000	5,000	<5,000	5,000
Benzene	<1.0	0.2	<1.0	1

Weekly average values: When the reported value is greater than the MDL but less than the RL, a value of 50% of the RL will be used to calculate the average value. When the reported value is less than the MDL, a value of 50% of the MDL will be used to calculate the average value.
NS = not sampled.
All Testing performed by Test America

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

Please contact me with any questions.

Sincerely,

BIGLER ASSOCIATES, INC.

Daniel Bigler

C: J. Fettig, T. Schoenberg, D. Alesandro, L. Frey

2 Main Street, Ridgefield Park, NJ 07660
Tel (201) 296-0712 Fax (201) 296-0729

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-8404-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFFLUENT	
Lab Sample No.	PQLs and	PQLs and	460-8404-1	
Sampling Date	GW Quality	GW Quality	11/30/2009 1:00:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor			1	
Units	ug/l	ug/l	ug/L	
VOLATILE COMPOUNDS (GC/MS)				
Benzene	1	1	1.0	U
Total Confident Conc.			0	
Total Estimated Conc. (TICs)			0	

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 12/8/2009 1:07:25 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-8404-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFFLUENT	
Lab Sample No.	PQLs and	PQLs and	460-8404-1	
Sampling Date	GW Quality	GW Quality	11/30/2009 1:00:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units	ug/l	ug/l	ug/L	
METALS				
Arsenic	8	3	2.5	U
Iron	300	300	150	U
Manganese	50	50	279	
Mercury	2	2	0.20	U
Thallium	10	2	1.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 12/8/2009 1:07:25 PM

TestAmerica

SUMMARY OF ANALYTICAL RESULTS: 460-8404-1

The Action Levels listed reflect current TestAmerica Edison knowledge of the standards and are intended as general guidance for the user. Please consult appropriate regulations and cleanup standards for your specific application.

Sample ID	NJ Higher of	NJ Higher of	PLANT EFFLUENT	
Lab Sample No.	PQLs and	PQLs and	460-8404-1	
Sampling Date	GW Quality	GW Quality	11/30/2009 1:00:00 PM	
Matrix	2000 Criteria	2005Criteria	Water	
Dilution Factor				
Units				
WET CHEMISTRY				
Total Suspended Solids (mg/L)	NA	NA	5.0	U

NR: Not analyzed.

U: Indicates the analyte was analyzed for but not detected.

Generated on 12/8/2009 1:07:26 PM

777 New Du
Edison, New
Phone: (732)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Name (for report and invoice) DAN ALESSANDRO	Samplers Name (Printed) DAN ALESSANDRO	Site/Project Identification VENTRON
Company BIGLER ASSOC - TUC	P. O. #	State (Location of site): NJ: ☒ NY
Address 2 MAIN ST	Analysis Turnaround Time: Standard ☐	Regulatory Program:
City RIDGEFIELD PK State NJ	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☒ 24HR	
Phone 201 296 0712 Fax 0729		

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

Sample Identification	Date	Time	Matrix	No. of Cont.	METALS *	GEN CHEM	TSS *						
PLANT EFFLUENT	11/30/09	1100		5	X	X	X						
											1		

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH, 6 = Other _____, 7 = Other _____

Soil: | Water: 1,4 | 1,2 | 1

Special Instructions * METALS = Hg, Tl, As, Fe, Mn / TSS SAMPLE = < 5 mg/L Water Metals

Relinquished by	Company	Date / Time	Received by	Company
1)	BAT	12/1/09 0915	1) Yusha Smith	Tes-
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island Massachusetts (M-NJ312), North Carolina (No. 578)

Attachment 2 – Analytical Testing for Drum Disposal

WASTE STREAM TECHNOLOGY, INC.
302 Grote Street
Buffalo, NY 14207
(716) 876-5290

Analytical Data Report
Report Date: 12/03/09
Work Order Number: 9K17008

Prepared For
Rick Elia Jr.
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14302
Fax: (716) 285-4201

Site: Ventron-Velsicol 1007

Enclosed are the results of analyses for samples received by the laboratory on 11/17/09. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brian S. Schepart, Ph.D., Laboratory Director

ENVIRONMENTAL LABORATORY ACCREDITATION CERTIFICATION NUMBERS
NYSDOH ELAP #11179 NJDEPE #73977 PADEP #68757 CTDPH #PH-0306 MADEP #M-NY068

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
20091116DC-9C	9K17008-01	Solid	11/16/09 15:03	11/17/09 10:15
20091116DC-10C	9K17008-02	Sludge	11/16/09 15:30	11/17/09 10:15

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

TCLP Metals by 1311/6000/7000 Series Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
Mercury	**0.015**	0.005	mg/L	5	AK92503	11/25/09	11/25/09	EPA 7470A	
Silver	ND	0.025	"	"	AK92003	11/20/09	11/20/09	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
Barium	**0.169**	0.025	"	"	"	"	"	"	B
Cadmium	**0.155**	0.025	"	"	"	"	"	"	
Chromium	ND	0.025	"	"	"	"	"	"	U
Lead	**0.101**	0.075	"	"	"	"	"	"	
Selenium	ND	0.095	"	"	"	"	"	"	U
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
Mercury	**0.002**	0.001	mg/L	1	AK92503	11/25/09	11/25/09	EPA 7470A	
Silver	ND	0.025	"	5	AK92003	11/20/09	11/20/09	6010B	U
Arsenic	ND	0.045	"	"	"	"	"	"	U
Barium	**0.324**	0.025	"	"	"	"	"	"	B
Cadmium	ND	0.025	"	"	"	"	"	"	U
Chromium	ND	0.025	"	"	"	"	"	"	U
ad	**0.199**	0.075	"	"	"	"	"	"	
enium	ND	0.095	"	"	"	"	"	"	U

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

Polychlorinated Biphenyls by EPA Method 8082

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01RE1) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
Aroclor 1016	ND	33.0	ug/kg dry	10	AK92015	11/20/09	11/25/09	8082	U
Aroclor 1221	ND	33.0	"	"	"	"	"	"	U
Aroclor 1232	ND	33.0	"	"	"	"	"	"	U
Aroclor 1242	**1660**	33.0	"	"	"	"	"	"	
Aroclor 1248	ND	33.0	"	"	"	"	"	"	U
Aroclor 1254	**246**	33.0	"	"	"	"	"	"	
Aroclor 1260	**82.7**	33.0	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		*112 %*		*82-123*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*101 %*		*56-132*	"	"	"	"	
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
Aroclor 1016	ND	0.8	mg/kg	4	AK92411	11/24/09	11/24/09	8082	U
Aroclor 1221	ND	0.8	"	"	"	"	"	"	U
Aroclor 1232	ND	0.8	"	"	"	"	"	"	U
Aroclor 1242	ND	0.8	"	"	"	"	"	"	U
Aroclor 1248	ND	0.8	"	"	"	"	"	"	U
oclor 1254	ND	0.8	"	"	"	"	"	"	U
oclor 1260	ND	0.8	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*124 %*		*60-138*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*94.2 %*		*64-130*	"	"	"	"	

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

TCLP Volatile Organic Compounds by EPA Method 1311/8260B

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
vinyl chloride	ND	10	ug/l	1	AK92002	11/20/09	11/20/09	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	**12**	10	"	"	"	"	"	"	
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	**97**	10	"	"	"	"	"	"	
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	**1140**	10	"	"	"	"	"	"	
tetrachloroethene	**1130**	10	"	"	"	"	"	"	
chlorobenzene	**69**	10	"	"	"	"	"	"	
1,4-dichlorobenzene	**40**	10	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.6 %*		*85-110*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*102 %*		*80-113*	"	"	"	"	
Surrogate: Toluene-d8		*98.5 %*		*86-111*	"	"	"	"	
Surrogate: Bromofluorobenzene		*96.3 %*		*85-116*	"	"	"	"	
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
vinyl chloride	ND	10	ug/l	1	AK92016	11/20/09	11/20/09	8260-TCLP	U
1,1-dichloroethene	ND	10	"	"	"	"	"	"	U
2-butanone	ND	100	"	"	"	"	"	"	U
chloroform	ND	10	"	"	"	"	"	"	U
carbon tetrachloride	ND	10	"	"	"	"	"	"	U
benzene	ND	10	"	"	"	"	"	"	U
1,2-dichloroethane	ND	10	"	"	"	"	"	"	U
trichloroethene	ND	10	"	"	"	"	"	"	U
tetrachloroethene	ND	10	"	"	"	"	"	"	U
chlorobenzene	ND	10	"	"	"	"	"	"	U
1,4-dichlorobenzene	ND	10	"	"	"	"	"	"	U
Surrogate: Dibromofluoromethane		*103 %*		*85-110*	"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*108 %*		*80-113*	"	"	"	"	
Surrogate: Toluene-d8		*96.5 %*		*86-111*	"	"	"	"	
Surrogate: Bromofluorobenzene		*95.1 %*		*85-116*	"	"	"	"	

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

TCLP Pesticides by EPA Method 1311/8081A

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
Gamma-BHC (Lindane)	ND	0.040	ug/l	1	AK92008	11/20/09	11/23/09	EPA 8081A	U
Heptachlor	ND	0.040	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.040	"	"	"	"	"	"	U
Endrin	ND	0.040	"	"	"	"	"	"	U
Methoxychlor	ND	0.040	"	"	"	"	"	"	U
Chlordane	ND	0.800	"	"	"	"	"	"	U
Toxaphene	ND	1.00	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*87.6 %*		*69-117*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*74.0 %*		*62-109*	"	"	"	"	
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
Gamma-BHC (Lindane)	ND	0.040	ug/l	1	AK92008	11/20/09	11/23/09	EPA 8081A	U
Heptachlor	ND	0.040	"	"	"	"	"	"	U
Heptachlor Epoxide	ND	0.040	"	"	"	"	"	"	U
Endrin	ND	0.040	"	"	"	"	"	"	U
Methoxychlor	ND	0.040	"	"	"	"	"	"	U
lordane	ND	0.800	"	"	"	"	"	"	U
xaphene	ND	1.00	"	"	"	"	"	"	U
Surrogate: Tetrachloro-meta-xylene		*100 %*		*69-117*	"	"	"	"	
Surrogate: Decachlorobiphenyl		*107 %*		*62-109*	"	"	"	"	

Stevenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

TCLP Herbicides by EPA Method 1311/8151A

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
2,4-D	ND	20.0	ug/l	50	AK92009	11/20/09	11/23/09	8151	U
2,4,5-TP (Silvex)	ND	20.0	"	"	"	"	"	"	U
Surrogate: 2,4-DCPAA		*55.5 %*	*32-132*		"	"	"	"	
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
2,4-D	ND	20.0	ug/l	50	AK92009	11/20/09	11/23/09	8151	U
2,4,5-TP (Silvex)	ND	20.0	"	"	"	"	"	"	U
Surrogate: 2,4-DCPAA		*123 %*	*32-132*		"	"	"	"	

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
pyridine	ND	8	ug/l	1	AK92007	11/20/09	11/20/09	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*27.5 %*		*16-72*	"	"	"	"	
Surrogate: Phenol-d6		*19.8 %*		*13-57*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*67.2 %*		*22-131*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*70.3 %*		*47-106*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*80.2 %*		*47-101*	"	"	"	"	
rogate: Terphenyl-d14		*77.3 %*		*36-132*	"	"	"	"	
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
pyridine	ND	8	ug/l	1	AK92007	11/20/09	11/20/09	8270C-TCLP	U
1,4-dichlorobenzene	ND	8	"	"	"	"	"	"	U
Total cresols (o,m & p)	ND	24	"	"	"	"	"	"	U
hexachloroethane	ND	8	"	"	"	"	"	"	U
nitrobenzene	ND	8	"	"	"	"	"	"	U
hexachlorobutadiene	ND	8	"	"	"	"	"	"	U
2,4,6-trichlorophenol	ND	16	"	"	"	"	"	"	U
2,4,5-trichlorophenol	ND	8	"	"	"	"	"	"	U
2,4-dinitrotoluene	ND	8	"	"	"	"	"	"	U
hexachlorobenzene	ND	8	"	"	"	"	"	"	U
pentachlorophenol	ND	16	"	"	"	"	"	"	U
Surrogate: 2-Fluorophenol		*33.7 %*		*16-72*	"	"	"	"	
Surrogate: Phenol-d6		*21.2 %*		*13-57*	"	"	"	"	
Surrogate: Nitrobenzene-d5		*64.2 %*		*22-131*	"	"	"	"	
Surrogate: 2-Fluorobiphenyl		*69.8 %*		*47-106*	"	"	"	"	
Surrogate: 2,4,6-Tribromophenol		*83.5 %*		*47-101*	"	"	"	"	
Surrogate: Terphenyl-d14		*73.0 %*		*36-132*	"	"	"	"	

evenson Environmental Services	Project: Ventron-Velsicol	
2749 Lockport Road	Project Number: Ventron-Velsicol 1007	**Reported:**
Niagara Falls NY, 14302	Project Manager: Rick Elia Jr.	12/03/09 13:42

Conventional Chemistry Parameters by EPA Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
pH	**10.28**	0.10	pH Units	1	AK91926	11/19/09	11/19/09	EPA 9045C	
% Solids	**68.9**	0.1	%	"	AK92010	11/19/09	11/20/09	% calculation	
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
pH	**8.89**	0.10	pH Units	1	AK91926	11/19/09	11/19/09	EPA 9045C	
% Solids	**79.6**	0.1	%	"	AK92010	11/19/09	11/20/09	% calculation	

Physical Parameters by APHA/ASTM/EPA Methods

Waste Stream Technology

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
20091116DC-9C (9K17008-01) Solid Sampled: 11/16/09 15:03 Received: 11/17/09 10:15									
Ignitability by Flashpoint	>200		deg F	1	AK92312	11/23/09	11/23/09	EPA 1010	
Reactive Cyanide	ND	40.0	mg/kg	"	AK92011	11/19/09	11/20/09	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AK92012	"	11/20/09	Section 7.3.4.2	U
20091116DC-10C (9K17008-02) Sludge Sampled: 11/16/09 15:30 Received: 11/17/09 10:15									
Ignitability by Flashpoint	>200		deg F	1	AK92314	11/23/09	11/23/09	EPA 1010	
Reactive Cyanide	ND	40.0	mg/kg	"	AK92011	11/19/09	11/20/09	Section 7.3.3.2	U
Reactive Sulfide	ND	40.0	"	"	AK92012	"	11/20/09	Section 7.3.4.2	U

Notes and Definitions

U	Analyte included in the analysis, but not detected at or above the reporting limit.
B	Analyte is found in the associated blank as well as in the sample (CLP B-flag).
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

CHAIN OF CUSTODY

WASTE STREAM TECHNOLOGY

Waste Stream Technology Inc.
302 Grote Street, Buffalo, NY 14207
(716) 876-5290 · FAX (716) 876-2412

OFFICE USE ONLY
GROUP # 9K17008
DUE DATE

PAGE 1 OF 2

TURN AROUND TIME: 2 weeks
QUOTATION NUMBER:

ARE SPECIAL DETECTION LIMITS REQUIRED: YES (NO)
If yes please attach requirements

Is a QC Package Required: YES (NO)
If yes please attach requirements.

DW DRINKING WATER | GW GROUND WATER | SW SURFACE WATER | WW WASTE WATER | O OIL
SL SLUDGE | SO SOIL | S SOLID | W WIPE | OTHER

REPORT TO: Steven Wilson
5 Peach Place East
Wood-Ridge NJ 07075
CONTACT: Largox2013x@MSN.com
PH.# 910 609-2521
FAX # 201 933-1996
BILL TO: Severson Environmental
2749 Lockport Rd Niagara Falls
PO # 1007
PROJECT DESCRIPTION: Vestal Vol
SAMPLER SIGNATURE:

ANALYSES TO BE PERFORMED

	SAMPLE I.D.	DATE SAMPLED	TIME OF SAMPLING	SAMPLE TYPE	TOTAL NO. OF CONTAINERS	See Attached Matrix	TYPE OF CONTAINER/ COMMENTS:	OFFICE USE ONLY WST. I.D.
1	20091116DC-9C	11/16/09	1503	So	3	✓	Contains Hg	
2	20091116DC-10C	11/16/09	1530	SL	2	✓	N/A	
3								
4								
5								
6								
7								
8								
9								
10								

REMARKS:
* 20091116DC-9C contains elemental Mercury
See Attached matrix for Sample methods

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY	DATE:	TIME:
Steven Wilson	11/16/09	1600	ESS	11/17/09	10:15
RELINQUISHED BY:	DATE: / /	TIME:	RECEIVED BY	DATE: / /	TIME: